PROCEEDINGS
OF THE
FLORIDA
STATE HORTICULTURAL SOCIETY

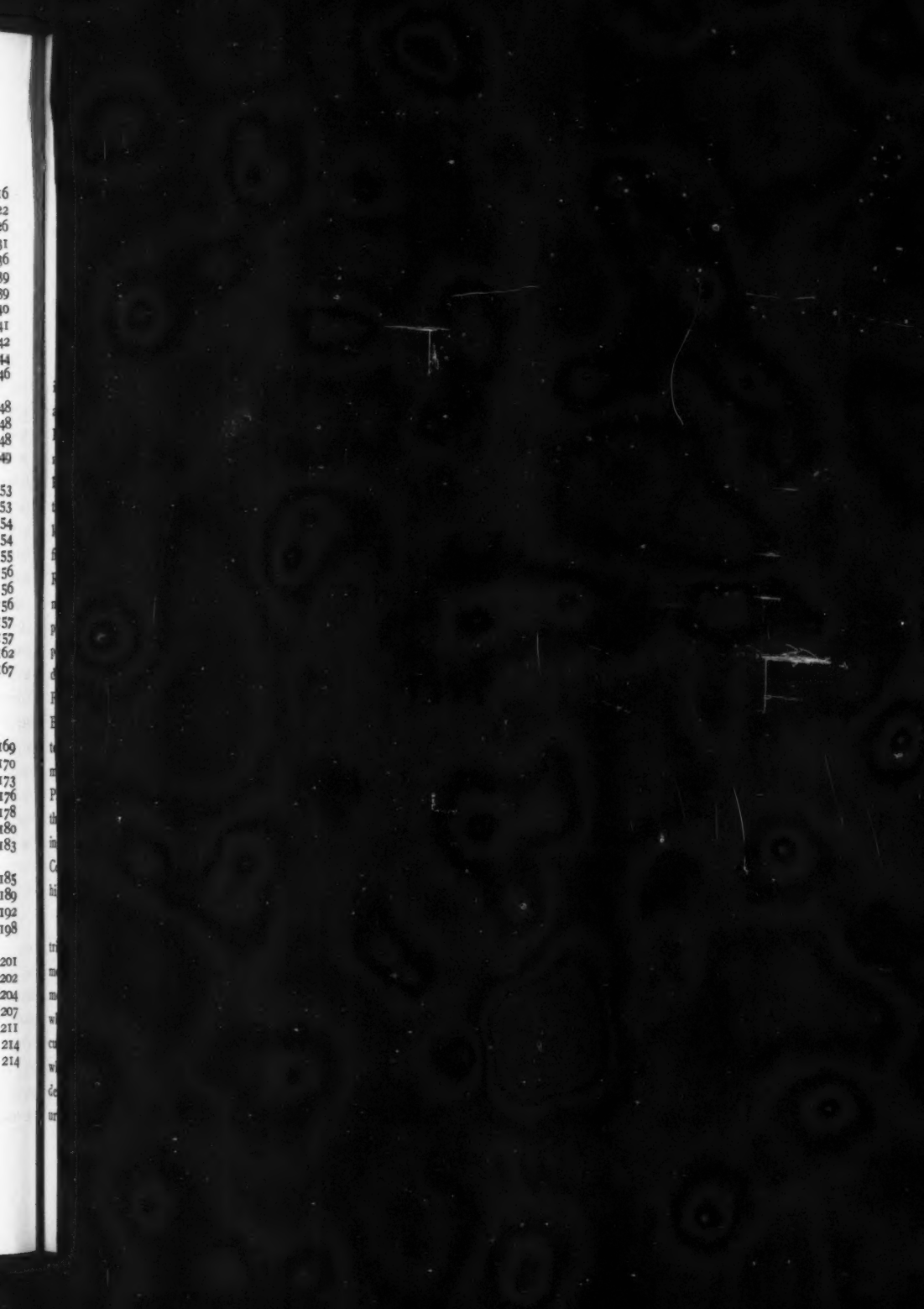
VOL. XLIV PRINTED 1931

CONTENTS

Officers for 1932 III
Constitution IV
By-Laws IV
List of Members V
Editorials XV
Forty-Fourth Annual Meeting of the Florida State Horticultural Society 1
Address of Welcome, E. G. Sewell, City Commissioner, Miami 1
Response to Address of Welcome, S. F. Poole, Winter Haven 2
Trend of Fertilizer Practice with Reference to Citrus Culture in Florida, J. J. Skinner and C. M. Bahrt 4
The Importance of Calcium in Citrus Culture, Gray Singleton, Ft. Meade 7
The Importance of Certain Special Elements in the Agriculture of South ~~America~~ Florida, R. V. Allison, Belle Glade 11
Citrus Grove Practice on the High Pine Lands, N. H. Vissering, Babson Park 22
Citrus Grove Practices on the Hammock Land of the Indian River Section, L. R. Highfill, Cocoa 25
Citrus Grove Practices on the Rocky Lands of Dade County, C. H. Steffani, Homestead 29
Comparison of Crotalaria Striata to Crotalaria Spectabilis as to the Abundance of Plant Bugs, J. R. Watson, Gainesville 30
Cryptolaemus Ladybeetles as a Control for Mealybugs, W. L. Thomspon, Lake Alfred 32
Some New Bases for Weather Forecasting, M. R. Ensign and B. F. Dostal, Gainesville 36
Insects and Mites Attacking Citrus Trees in Hawaii, W. W. Yothers, Orlando, and Arthur C. Mason, Honolulu 51
Some Plant Introduction Experiences, Dr. David Fairchild, Coconut Grove 54
Utilization of Citrus Fruits, Flavia Gleason, Tallahassee 59
Sun Rays and Plant Life, Otto Sieplein, Coral Gables 61
Landscape Material Indigenous to Tropic Florida, K. Dahlberg, Miami 62
The Culture of Terrestrial Orchids, T. A. Fennell, Homestead 68
Florida Native Plants and their Use in Landscape Work, Roger S. Nason, Sebring 70
The Chayote—One of Florida's Undeveloped Resources, Gordon M. Dickinson and Florence E. Cain, DeLand 72
The Growing of Pineapples on the Lower East Coast, R. A. Carlton, West Palm Beach 74
Itemized Cost Statement of Pineapple Production on the Lower East Coast of Florida, R. A. Carlton, West Palm Beach 77
Avocado Varieties—Selections for Planting, Leonard H. Toy, Homestead 79
Composition of Florida Avocados, A. L. Stahl, Gainesville 81
Papayas, Bronson Bayless, Miami 86
The Cajeput Tree for Foresting Florida's Undrained Acres, A. H. Andrews, Estero 90
The Bamboo, James Prentice, Coconut Grove 92
Problems in Connection with Coloring Citrus Fruits, J. R. Winston, Orlando 96
Rots of Florida Citrus Fruits, H. E. Stevens and H. R. Fulton, Orlando 99
Co-operative Traits in Citrus Work, J. C. Morton, Auburndale 104
Grapefruit Distribution, Mark Hyde, Jacksonville 107
New Citrus Hybrids for Florida, T. Ralph Robinson, Washington, D. C. 110

SPECIAL SESSION HELD AT HOMESTEAD, FLORIDA, APRIL 17, 1931

Grapefruit Export, Mark Hyde, Jacksonville 116
Refrigeration Work in the Experiment Station, A. F. Camp, Gainesville 122
Standards of Maturity in Citrus Fruit, Clinton Bolick, Ft. Myers 126
Enforcement of the Plant Quarantine Act, Lee A. Strong, Washington, D. C. 131
Plant Movement Through Air Transportation Terminals, J. H. Montgomery, Gainesville 136
Address of Welcome, O. R. Livingston, Homestead 139
Response to the Address of Welcome, L. B. Skinner, Dunedin 139
Sub-Tropical Fruits, H. W. Johnson, Homestead 140
A Future for Small Tropical Fruits, Charles H. Steffani, Homestead 141
The Sub-tropical Experiment Station, H. S. Wolfe, Homestead 142
Diseases of Sub-tropical Fruits, H. E. Stevens, Orlando 144
The Pests of Sub-tropical Fruits, J. R. Watson, Gainesville 146
Reports—
Report of Committee on Necrology 148
Honorary Membership 148
Committee for 1931 Meeting 148
Deceased Members 149
Annual Reports—
Report of Secretary 153
Report of Treasurer 153
Report of Auditing Committee 154
Report of Executive Committee 154
Report of Legislative Committee, Frank Stirling, Chairman 155
Report of Meeting Place Committee 156
Report of Committee on Resolutions 156
Final Resolutions 156
Report of Nominating Committee 157
Selection of meeting place for 1932 157
Composition of Florida Avocados (Stahl) Illustrations 158-162
Certain Special Elements of Agriculture in South Florida (Allison) Illustrations 163-167

SPECIAL SESSION HELD AT MARIANNA, FLORIDA, OCTOBER 14 & 15, 1930

Response to Address of Welcome, L. M. Rhodes, Jacksonville 169
Modern Trends in Southern Pomology, Prof. T. H. McHatton, Atlanta, Georgia 170
Tung Oil, Harold Mowry, Gainesville 173
The Grape Industry in Florida, E. L. Lord, Gainesville 176
The Sand Pear, H. G. Clayton, Gainesville 178
Plant Quarantines, J. C. Goodwin, Gainesville 180
Home Fruit Garden, H. K. Miller, Monticello 183
Horticultural and Other Activities of the College of Agriculture of the University of Florida, Wilmon Newell, Gainesville 185
Satsuma Orange Fertilization, R. W. Ruprecht, Gainesville 189
Control of Insects on Satsumas, J. R. Watson, Gainesville 192
Fungus Diseases of the Satsuma and their Controls, E. F. DeBusk, Gainesville 198
The Silverhill: A Promising and Apparently Hardy Strain of Satsuma Orange, Walter T. Swingle and T. Ralph Robinson 201
Cultural Practices in Pecan Orchards, C. A. Simpson, Monticello 202
Blueberries in Northwest Florida, E. H. Rawl 204
Grove Heating, Dr. A. F. Camp, Gainesville 207
Lawn Grasses and their Care, Geo. C. Ritchey, Gainesville 211
Resolutions 214
Final Resolutions 214